

**Final**

**THE UNIVERSITY OF CHICAGO**

Review Committee Meeting for the  
***Materials Science Division*** at Argonne National Laboratory  
 September (10) 11-12, 2003

**Agenda**

**Wednesday, September 10**

Argonne Guest House (Building 460) Conference Room A

- 5:30 p.m.    Reception
- 5:45 p.m.    Welcome and Introductions ..... John Wilkins/Milan Mrksich
- 6:00 p.m.    Dinner
- 7:00 p.m.    DOE-UC Contract Briefing for Performance Criteria..... John Wilkins/Milan Mrksich
- 7:10 p.m.    "Charge to the Committee" ..... Julia Phillips, Chairman
- 7:20 p.m.    Welcome from Director of Argonne National Laboratory .....Hermann Grunder
- 7:30 p.m.    Physical, Biological & Computing Sciences Update .....Robert Rosner
- 7:40 p.m.    Materials Science Division Overview & Strategic Plan..... George Crabtree
- 8:20 p.m.    A Vision for the Center for Nanoscale Materials.....Eric Isaacs
- 8:30 p.m.    Executive Session .....Review Committee Members
- 9:30 p.m.    Adjourn for evening.



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### **Thursday, September 11**

Argonne Guest House (AGH, Building 460)

7:00 a.m. Buffet Breakfast for Review Committee Members, Conf. Room B

7:45 a.m. Transportation to Building 212 (meet in lobby of AGH)

### **Building 212, Conference Room A-157**

8:00 a.m. Welcome..... George Crabtree (5mins)

8:10 a.m. Neutrons, X-ray, and Electron Scattering .....Jim Jorgensen (20mins)  
Dean Miller (15mins)

9:00 a.m. Superconductivity in Cuprates,  $\text{MgB}_2$  and  
Nanostructured Materials ..... Wai Kwok (20mins)  
Juan Carlos Campuzano (15mins)

9:50 a.m. NanoMagnetism/ Magnetic Vortices in Patterned Dot Arrays.....Sam Bader (20mins)  
Valentyn Novosad (15mins)

10:35 a.m. **Break**

10:55 a.m. InSitu-Studies in Materials Processing Environments .....Jeff Eastman (25mins)

11:30 a.m. Simulation and Modeling ..... Larry Curtiss (25mins)

12:05 p.m. **Lunch/Executive Session (Conference Room B-201)**

1:30 p.m. New Catalysis Materials ..... Mike Pellin (20mins)

2:00 p.m. Theory & Materials Theory Institute: Quantum Nanophysics ...Valerii Vinokur (15mins)

2:30 p.m. Coffee/Breakout Session in Building 223

2:50 p.m. Poster Session - interaction with MSD Staff

5:20 p.m. Executive Session, Conference Room L119, Bldg. 223

6:30 p.m. UofC Hosted Reception/Dinner at Freund Lodge (by invitation only)



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**Friday, September 12**

Argonne Guest House (AGH, Building 460)

7:00 a.m. Buffet Breakfast for Review Committee Members

7:45 a.m. Transportation to Building 212

Building 212, Conference Room A-157

8:00 a.m. New Trends in Granular Physics: Patterns and Self-Assembly of Microparticles  
in Poor Electrolytes..... Igor Aronson (15mins)

8:20 a.m. Nanostructured Carbon Materials..... John Carlisle (15min)

8:40 a.m. Biomolecular Materials ..... Millie Firestone (15mins)

9:00 a.m. Material Bulk Synthesis and Crystal Growth ..... John Mitchell (15mins)

9:20 a.m. Leveraging Nanoscience and Hydrogen Research  
in the Materials Science Division ..... George Crabtree (15mins)

9:35 a.m. Executive Summary ..... George Crabtree (15mins)

10:00 a.m. **Break**

10:15 a.m. Executive Session/ Report Preparation, Conference Room B-201

12:00 p.m. **Lunch**

2:00 p.m. Preliminary Closeout Session with ANL Directorate, Drs. Grunder, Joyce, and Rosner

2:30 p.m. Preliminary Closeout Session with Division Director

3:00 p.m. Adjournment